

| L Number | Hits | Search Text   | DB                                     | Time stamp          |
|----------|------|---|--|---------------------|
| 1        | 4    | ((("4482246") or ("6263830"))).PN.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/02/25<br>10:21 |
| 2        | 6    | ((("4482246") or ("6263830") or ("5086255"))).PN.   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/02/25<br>10:21 |
| 3        | 3    | ((("4482246") or ("6263830") or ("5086255"))).PN.   | USPAT                                  | 2003/02/25<br>10:21 |
| 4        | 19   | (US-5625259-\$ or US-5086255-\$ or US-5063329-\$ or US-5216330-\$ or US-5126635-\$ or US-5012158-\$ or US-4482246-\$ or US-5423942-\$ or US-5389153-\$ or US-5298835-\$ or US-5346578-\$ or US-5262610-\$ or US-5008593-\$ or US-5235251-\$ or US-4857809-\$ or US-4431901-\$ or US-6263830-\$ or US-5051557-\$).did. or (US-20020135282-\$).did. | USPAT;<br>US-PGPUB                     | 2003/02/25<br>10:46 |
| 57       | 4    | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and chromatograph\$2 and (sapphire alumina or (aluminum adj oxide) or al?sub.2)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/02/25<br>10:53 |
| -        | 8    | ((("5404076") or ("5086255") or ("5625259") or ("5063329"))).PN.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/26<br>09:29 |
| -        | 33   | ((313/231.31).CCLS.) and air same (fan source compressor pump blower) and (plasma microwave RF)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>15:54 |
| -        | 4    | ((("5086255") or ("5216330"))).PN.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/26<br>11:21 |
| -        | 66   | air same cool\$3 same gas same discharge same detector  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:15 |
| -        | 1    | (air same cool\$3 same gas same discharge same detector) and 313\$.ccls.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:14 |
| -        | 16   | air with cool\$3 with gas with discharge with detector  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:19 |
| -        | 10   | (atomic and emission and detector).ti.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:26 |

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| - | 0   | ((atomic and emission and detector).ti.) and cool  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:23 |
| - | 56  | (gas and emission and detector).ti.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:27 |
| - | 0   | ((gas and discharge and detector).ti.) and 313\$.ccls.                                   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:27 |
| - | 0   | ((gas and discharge and detector).ti.) and 315\$.ccls.                                   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:28 |
| - | 0   | ((gas and emission and detector).ti.) and 315\$.ccls.                                    | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:28 |
| - | 0   | ((gas and emission and detector).ti.) and 313\$.ccls.                                    | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:28 |
| - | 278 | (gas and discharge and detector).ti.   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/25<br>16:28 |
| - | 6   | ("5086255") or ("5216330") or ("5404076")).PN.   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/26<br>11:22 |
| - | 74  | 313/231.31 and plasma and air and pump   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/26<br>16:07 |
| - | 20  | 313/231.31 and plasma and (air adj pump compressor)                                      | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/26<br>16:08 |
| - | 20  | 313/231.31 and plasma and ((air adj pump) or compressor)                                 | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2002/09/26<br>16:09 |
| - | 466 | (313/231.31).CCLS.   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/02/24<br>15:50 |
| - | 42  | ((313/231.31).CCLS.) and (sapphire alumina)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/02/24<br>15:23 |
| - | 5   | (US-5625259-\$ or US-5086255-\$ or US-5063329-\$ or US-5012158-\$ or US-5216330-\$).did. | USPAT;<br>DERWENT                      | 2003/02/24<br>15:23 |

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|---|------|---|---|---------------------|
| - | 1    | ((US-5625259-\$ or US-5086255-\$ or US-5063329-\$ or US-5012158-\$ or US-5216330-\$).did.) and (sapphire alumina)                                       | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT<br>USPAT | 2003/02/24<br>15:23 |
| - | 12   | ("4431901"   "4857809"   "5008593"   "5063329"   "5126635"   "5235251"   "5262610"   "5298835"   "5346578"   "5389153"   "5423942"   "5430355").PN.     |   | 2003/02/24<br>15:28 |
| - | 5    | 5423942.URPN.   | USPAT   | 2003/02/24<br>15:31 |
| - | 956  | (315/111.21).CCLS.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:51 |
| - | 1266 | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:51 |
| - | 170  | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and (sapphire alumina or (aluminum adj oxide) or al?sub.2)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>16:37 |
| - | 37   | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and (sapphire alumina or (aluminum adj oxide) or al?sub.2) ) and (cool)                                   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:53 |
| - | 106  | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and (sapphire alumina or (aluminum adj oxide) or al?sub.2) ) and (cool\$3)                                | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:53 |
| - | 106  | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and (sapphire alumina or (aluminum adj oxide) or al?sub.2) ) and (cool\$3)) and (air gas)                 | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:53 |
| - | 45   | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and (sapphire alumina or (aluminum adj oxide) or al?sub.2) ) and (cool\$3)) and ((air gas) near3 cool\$3) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:55 |
| - | 54   | ((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and (sapphire alumina or (aluminum adj oxide) or al?sub.2) ) and (cool\$3)) and ((air gas) with cool\$3)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:56 |
| - | 101  | 219/678.ccls.   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:56 |
| - | 3    | 219/678.ccls. and ((air gas) with cool\$3) and (sapphire alumina or (aluminum adj oxide) or al?sub.2)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT          | 2003/02/24<br>15:57 |

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| - | 56 | (219/678.ccls. and ((air gas) with cool\$3) and (sapphire alumina or (aluminum adj oxide) or al?sub.2)) or ((((((313/231.31).CCLS.) or ((315/111.21).CCLS.)) and (sapphire alumina or (aluminum adj oxide) or al?sub.2) ) and (cool\$3)) and ((air gas) with cool\$3)) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/02/24<br>16:36 |
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